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| PRE-APPEAL BRIEF REQUEST FOR REVIEW  |  | Docket Number (Optional)<br>060258-0276662 |  |
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| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)]<br><br>on _____<br><br>Signature _____<br><br>Typed or printed name _____  | Application Number<br><br>09/762,226   | Filed<br><br>March 7, 2001                 |  |
|  | First Named Inventor<br><br>Mika AALTO |  |  |
|  | Art Unit<br><br>2145                   | Examiner<br><br>Choudhury, Azizul Q.       |  |
| <p>Applicant requests review of the final rejection in the above-identified application. No amendments are being filed with this request.</p> <p>This request is being filed with a notice of appeal.</p> <p>The review is requested for the reason(s) stated on the attached sheet(s).<br/>Note: No more than five (5) pages may be provided.</p> <p>I am the</p> <p><input type="checkbox"/> applicant/inventor.</p> <p><input type="checkbox"/> assignee of record of the entire interest.<br/>See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed.<br/>(Form PTO/SB/96)</p> <p><input checked="" type="checkbox"/> attorney or agent of record.                      41,844<br/>Registration number _____</p> <p><input type="checkbox"/> attorney or agent acting under 37 CFR 1.34.<br/>Registration number if acting under 37 CFR 1.34 _____</p> <p>NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.<br/>Submit multiple forms if more than one signature is required, see below*.</p> <p><input checked="" type="checkbox"/> *Total of <u>1</u> forms are submitted.</p> |  |  |  |

Signature

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January 5, 2007

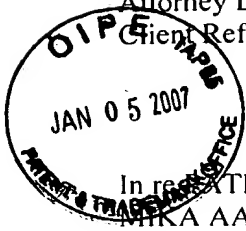
Date

This collection of information is required by 35 U.S.C. 132. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11, 1.14 and 41.6. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney Docket: 060258-0276662

Client Reference: 2980355US/VK



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of:  
MIKA AALTO, ET AL.

Confirmation Number: 1688

Application No.: 09/762,226

Group Art Unit: 2145

Filed: March 7, 2001

Examiner: CHOUDHURY, Azizul Q.

Title: INTERNET/INTRANET ACCESS MECHANISM

**SUPPLEMENTAL ATTACHMENT SHEETS TO**  
**PRE-APPEAL BRIEF CONFERENCE REQUEST**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Appellant hereby requests that a panel of examiners formally review the legal and factual basis of the rejections in the above-identified application prior to the filing of an appeal brief. Appellant asserts that the outstanding rejections (now on appeal by virtue of the concurrently filed Notice of Appeal) are clearly improper based both upon errors in facts and the omission of essential elements required to establish a prima facie rejection (i.e., the prior art references fail to disclose, teach or suggest all the recited claim features).

Claims 1-14 were rejected under 35 U.S.C. 103(a) as being unpatentable over Dulman (U.S. 5,915,008) in view of Strauss et al. (U.S. 5,940,598). Appellants traverse the rejection because the cited prior art fails to disclose, teach or suggest all the features recited in the rejected claims. For example, the cited prior art fails to disclose, teach or suggest the claimed connection of one of several customer premises equipment, or CPE, via an ATM network to one of several service providers, wherein each CPE is connected to the ATM network via a corresponding network termination point, or NT; and an access server function, or ASF, is formed having a permanent virtual connection to each NT and a connection to each SP; a tunneling protocol is established on that permanent virtual connection between each NT and the ASF, that tunneling protocol being able to support an integrated signaling protocol;

wherein the CPE or its user selects an appropriate SP by using the integrated signaling protocol, routing is performed from the CPE to the selected SP by the ASF; and the ASF connects the CPE to the selected SP using the integrated signaling protocol, as recited in independent claims 1 and 8 and their respective dependent claims.

Dulman merely illustrates an improved provisioning system for activation/de-activation of intelligent network services. Although Dulman lists various alternatives what can be the underlying technologies for the needed TCP/IP connectivity (e.g., ATM), Dulman fails to disclose, teach or suggest an ATM network that connects one of several customer premises equipment to one of several service providers, wherein each CPE is connected to an ATM network via a corresponding network termination point, as recited in the rejected claims. That claim language requires that the ATM network starts at the Network Termination (NT) equipment on the customer premises site. Thus, each CPE equipment has its own NT and dedicated ATM connection.

However, Dulman's Advanced Intelligent Network (AIN), which the Office Action equated to the claimed ATM network, starts after the firewall server, not at the dedicated NT equipment for each CPE. As illustrated in Dulman's Figure 2, the AIN is located behind the firewall server; therefore, the AIN does not include a link to the customer premises. To the contrary, the ATM network referred to in the claimed invention starts at the NT located at the customer premises and ends at the service provider site. Therefore, Dulman's AIN does not correspond to the claimed ATM network. Therefore, contrary to the assertions of the Office Action, Dulman fails to teach or suggest an ATM network or the CPE referred to in the claims.

Furthermore, according to Dulman, at column 10, lines 11-14, the NAP is referred to as a central office; therefore, the NAP is not located at a customer premises. Moreover, Dulman teaches that the NAP is connected via link 14 to the CPE. That link 14 is defined at column 10 lines 51-53 as a conventional POTS/ISDN link, which means link 14 would merely be equivalent to the link between the NT and the ASF in the invention. Accordingly, the claimed NT does not correspond to Dulman's NAP.

Moreover, even if Dulman's AIN corresponded to an ATM network, which it does not, the Office Action has erroneously asserted that Strauss teaches or suggests the remaining features of the rejected claims. More specifically, the Office Action has asserted that Strauss teaches a design that features an AIN and that that design uses an encapsulation means.

Nevertheless, neither Strauss, analyzed individually or in combination with Dulman, fails to disclose, teach or suggest the claimed permanent virtual connection between each NT and the ASF. Strauss refers to a “virtual circuit;” however, Strauss refers to that term only in its description of the prior art. As a result, Strauss, analyzed individually or in combination with Dulman, fails to disclose, teach or suggest an ASF that has a permanent virtual connection to each NT and a connection to each SP. Moreover, the Office Action has failed to identify where in either Strauss or Dulman is taught the claimed CPE or user selecting an appropriate SP by using the integrated signaling protocol. Likewise, Office Action has failed to identify what part of the cited prior art teaches or suggests the claimed performance of routing from the CPE to the selected SP by the ASF because neither reference discloses an ASF. Although Figure 2 of Dulman illustrates an access server 48; no disclosure is provided regarding what connections are made with that server. Finally, the Office Action has failed to identify what part of the prior art teaches or suggests the claimed connection by the ASF of the CPE to the selected SP using the integrated signaling protocol because neither Dulman nor Strauss teaches or suggests an ASF.

In response to these previously asserted arguments, the Examiner asserted that the NAP of Dulman’s design is able to be an ATM switch (column 10, lines 14-15). Thus, the Examiner has asserted that the NAP being located ahead of the firewall server and being ATM compatible would indicate that Dulman’s design allows for the ATM network to start at the claimed NT (NAP). The Examiner also asserted that Dulman’s design allows the NAP to be networked with the CPE. Although the Examiner recognized that the physical distance separating the NAP from the CPE is not disclosed in Dulman but that it is well known in the art that networked devices are able to be within the premises of one another while remaining networked.

However, based on the teachings of Dulman, there is no suggestion that the NAP is separated from the CPE. In fact, Dulman merely discloses a CPE as a separate item from the NAP (which the Examiner has incorrectly considered equivalent to the claimed CPE).

The Examiner also incorrectly asserted that the Strauss teaches how an AIN can be utilized virtually at column 13, lines 26-28. That assertion is factually incorrect. Strauss merely teaches that, when classic end-to-end CCIS and AIN signaling are not available, a virtual AIN signaling system may be utilized. Thus, the Examiner has merely asserted that Strauss teaches a virtual AIN. However, the Examiner has failed establish if or where Strauss

teaches an ASF having a permanent virtual connection to each NT and a connection to each SP.

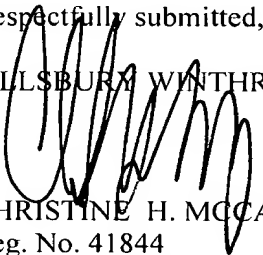
The Examiner also asserted that Dulman teaches how a service request is transferred from the CPE to the service using protocols (column 5, lines 26-38). However, the Examiner has merely stated that Dulman teaches how a service request is transferred from the CPE to the service using protocols. However, Dulman only uses the term "protocol" in the context of translating protocol. Moreover, the Examiner has failed to address whether Dulman discloses anything beyond transferring a service request...using protocols.

The Examiner further asserted that provides an ASF because Dulman's CPE server (element 16b, Figure 2) combined with NAT function provides server access. However, the claims require an ASF having a permanent virtual connection to each NT and a connection to each SP. Even if the Examiner's analysis were correct, Dulman would merely disclose something comparable to an ASF. However, the Examiner's analysis is unclear: in some passages, the Office Action equates Dulman's NAP to the claimed CPE, whereas, in others, the Dulman's server is equated to the ASF. Thus, the roles of the access server and the customer premises equipment are reversed.

Accordingly, Appellants submit that the rejection of claims 1-14 should be withdrawn because Dulman and Strauss, analyzed individually or in combination, fail to disclose, teach or suggest the claimed invention. Therefore, claims 1-14 are allowable.

Respectfully submitted,

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